

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	232	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46
L2	231	L1 and surface	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46
L3	162	L2 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:48
L4	2	L3 and (concavities or concavity) and "magnetic recording"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 21:46
L5	171	(428/828 or 428/831 or 428/831.1 or 428/831.2 or 428/832 or 428/832.1 or 428/832.2).ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:50
L6	8913	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6)."ccls" and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:54
L7	1104	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6).ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:54
L8	415	I7 and "magnetic recording"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:54
L9	138	I7 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:55
L10	99	I8 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:55
L11	5	I5 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:56
L12	234	(I5 or I10) and ("non-magnetic" or nonmagnetic)	US-PGPUB; USPAT	OR	ON	2006/03/13 21:57
L13	20	(I12) and ("electron beam" same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:57
L14	3	(I12) and (cure same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:57
S1	1	("20040209121").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/27 22:28

## EAST Search History

S2	0	428/694\$ and binder and (thickness same magnetic) and (thickness same ("0.03"or"0.30"))	USPAT	OR	OFF	2005/06/27 22:31
S3	0	428/694\$ and binder and (thickness same magnetic) and (thickness same ("0.03"or"0.30"))	USPAT	OR	OFF	2005/06/27 22:31
S4	590	428/694B\$ and binder and ((thickness or thick) same magnetic same layer)	US-PGPUB; USPAT	OR	ON	2005/07/12 17:43
S5	1	"20040038082"	US-PGPUB; USPAT	OR	OFF	2005/06/27 22:37
S6	1	"20040038082"	US-PGPUB	OR	OFF	2005/06/28 11:40
S7	1	"20050064250"	US-PGPUB; USPAT	OR	OFF	2005/06/28 14:54
S8	1	"20050019619"	US-PGPUB; USPAT	OR	OFF	2005/06/28 14:55
S9	1	"20050014035"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:00
S10	1	"20040048110"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:02
S11	1	"20040028958"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:02
S12	442	428/694B\$ and binder and ((thickness or thick) same magnetic same layer) and (roughness or "Ra")	US-PGPUB; USPAT	OR	ON	2005/06/28 17:46
S13	0	428/694B\$ and binder and "Yajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 16:31
S14	0	428/694B\$ and "Yajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:19
S15	13	428/694B\$ and "Kuwajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:01
S16	11	428/694B\$ and "Seki"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:02
S17	10	S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:02
S18	62	428/694B\$ and "Yamada"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43
S19	62	S18 not S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:20
S20	62	S18 not S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:20
S21	5	428/694B\$ and "Kitamura"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43
S22	5	S21 not S20	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43

## EAST Search History

S23	5	428/694B\$ and concavit\$	US-PGPUB; USPAT	OR	ON	2005/07/12 21:20
S24	2	("magnetic recording" and binder and thickness and concavit\$ and rough\$). clm.	US-PGPUB; USPAT	OR	ON	2005/06/28 18:31
S25	1	"20030124397"	US-PGPUB; USPAT	OR	ON	2005/06/28 18:34
S26	1	"20040126626"	US-PGPUB; USPAT	OR	ON	2005/06/28 18:37
S27	1	"20020031688"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:32
S28	1	"20030072976"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:35
S29	1	"20040131896"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:37
S30	1	"20040096708"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:37
S31	1	"20040096708"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:48
S32	1	"20040048109"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:50
S33	1	"20040091752"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:51
S34	1	"20030194584"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:56
S35	1	"20020022158"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:30
S36	1	"20030068537"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:32
S37	1	"20050123806"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:32
S38	1	"11258011" or "11-258011" or "2001-1084549"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/07/12 16:22
S39	224	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2005/07/12 17:47
S40	223	S39 and surface	US-PGPUB; USPAT	OR	ON	2005/07/12 17:47
S41	156	S40 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2005/07/12 18:29
S42	2	S41 and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46

## EAST Search History

S43	147	S41 and ("428"/\$ or "360"/\$ or "369"/\$ or "427"/\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 18:48
S44	147	S43 and binder	US-PGPUB; USPAT	OR	ON	2005/07/12 18:49
S46	101	S43 and ("surface roughness" or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 20:09
S47	196	"I5" and ("surface roughness" or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 20:14
S48	48	S47 and concav\$	US-PGPUB; USPAT	OR	ON	2005/07/12 21:44
S49	325	"482"/\$ and (fabric same cover\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 20:20
S50	213	S49 and (rubber or resistance or latex)	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S51	0	S50 not S49	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S52	112	S49 not S50	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S53	148	S47 not S48	US-PGPUB; USPAT	OR	ON	2005/07/12 21:10
S54	335	428/694B\$ and (nm with ("R" or roughness))	US-PGPUB; USPAT	OR	ON	2005/07/12 21:21
S55	373	428/694B\$ and (nm same ("R" or roughness))	US-PGPUB; USPAT	OR	ON	2005/07/14 19:14
S56	348	S55 and (nm same magnetic)	US-PGPUB; USPAT	OR	ON	2005/07/12 21:24
S57	325	S55 and (nm with magnetic)	US-PGPUB; USPAT	OR	ON	2005/07/12 21:24
S58	224	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2005/07/12 22:11
S59	223	S58 and surface	US-PGPUB; USPAT	OR	ON	2005/07/12 21:37
S60	156	S59 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2005/07/12 22:10
S61	147	S60 and ("428"/\$ or "360"/\$ or "369"/\$ or "427"/\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 22:09
S62	103	S61 and (roughness or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 22:07
S63	1	"6875495"	US-PGPUB; USPAT	OR	ON	2005/07/12 21:44
S64	103	S62 and binder	US-PGPUB; USPAT	OR	ON	2005/07/22 15:41

## EAST Search History

S65	2	"09184930"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/13 15:57
S66	1	"09-184930"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/13 15:58
S67	1	"6890646"	USPAT	OR	OFF	2005/07/14 14:11
S68	146	428/694B\$ and (nm same ("R" or roughness)) and "recording wavelength"	US-PGPUB; USPAT	OR	ON	2005/07/14 19:16
S69	8	S68 and ("recording wavelength" same "0.6")	US-PGPUB; USPAT	OR	ON	2005/07/14 19:16
S70	2	"6576326"	US-PGPUB; USPAT	OR	OFF	2005/07/15 15:06
S71	6251	428/694\$	US-PGPUB; USPAT	OR	OFF	2005/07/15 15:13
S72	5276	428/694\$	USPAT	OR	OFF	2005/07/15 15:46
S73	0	"6905789"	USPAT	OR	OFF	2005/07/15 15:55
S74	257	428/195.1	USPAT	OR	OFF	2005/07/15 15:57
S75	1	"6627298"	USPAT	OR	OFF	2005/07/15 15:59
S76	1	"69111190"	USPAT	OR	OFF	2005/07/15 16:00
S77	1	"69111570"	USPAT	OR	OFF	2005/07/15 16:01
S78	1	"69111420"	USPAT	OR	OFF	2005/07/15 16:06
S79	1	"6906235"	USPAT	OR	OFF	2005/07/15 16:06
S80	7	"6194058"	USPAT	OR	OFF	2005/07/19 17:18
S81	0	S80 and concavities	USPAT	OR	ON	2005/07/19 17:19
S82	1	S80 and depth	USPAT	OR	ON	2005/07/19 17:21
S83	1	S80 and ("Ra" or "Rz" or "Rv6")	USPAT	OR	ON	2005/07/19 17:22
S84	0	S80 and calendar\$	USPAT	OR	ON	2005/07/19 17:22
S85	2	S80 and calender\$	USPAT	OR	ON	2005/07/19 21:30
S86	0	"6777061" and (concavities or concavity)	USPAT	OR	ON	2005/07/19 21:35
S87	0	"20040207955" and (concavities or concavity)	USPAT	OR	ON	2005/07/19 21:36
S88	1	"20040207955" and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2005/07/19 21:36
S89	1	"20040219392"	US-PGPUB; USPAT	OR	OFF	2005/07/20 12:14
S90	1	"6890646"	USPAT	OR	OFF	2005/07/22 13:59
S91	1	"6818298"	USPAT	OR	OFF	2005/07/22 13:59

## EAST Search History

S92	2732	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6) and binder	US-PGPUB; USPAT	OR	ON	2006/03/13 21:53
S93	1091	(427/130 or 427/131) and binder	US-PGPUB; USPAT	OR	ON	2005/07/22 15:44
S94	593	(360/134 or 360/135) and binder	US-PGPUB; USPAT	OR	ON	2005/07/22 15:44
S95	17	(S92 or S93 or S94) and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2005/07/22 15:44
S96	1	"6818298" or "2001084549"	USPAT	OR	OFF	2006/03/10 15:29
S97	1	"6818298" or "2001084549"	US-PGPUB; USPAT	OR	OFF	2006/03/10 15:29
S98	1	"6818298" or "20010084549"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:05
S99	1	"6875495"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:06
S100	1	"6777061"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:06